

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S30	333	29/603.03-603.06.ccls.	USPAT; JPO; DERWENT	OR	ON	2006/04/10 07:16
S31	233	360/294.4-294.7.ccls.	USPAT; JPO; DERWENT	OR	ON	2005/07/02 09:21
S32	246	360/244.8,244.2,244,240.ccls.	USPAT; JPO; DERWENT	OR	ON	2005/08/01 11:14
S34	99	360/245.2,245.4.ccls.	USPAT; JPO; DERWENT	OR	ON	2005/07/02 09:23
S54	13	(US-6367144-\$ or US-6154952-\$ or US-5734525-\$ or US-5201458-\$ or US-5920444-\$ or US-5299081-\$ or US-6313971-\$ or US-6466412-\$ or US-5886857-\$ or US-6055133-\$ or US-5870252-\$ or US-5914835-\$). did. or (JP-63008082-\$).did.	USPAT; JPO	OR	ON	2005/08/01 10:38
S55	216	flexure with (flexure adj leg)	USPAT; JPO; DERWENT	OR	ON	2005/08/01 10:40
S56	1923	(conductive adj layer) same trace	USPAT; JPO; DERWENT	OR	ON	2005/08/01 10:41
S57	634	(conductive adj layer) same trace same insulat\$3	USPAT; JPO; DERWENT	OR	ON	2005/08/01 11:02
S58	1	S55 and S57	USPAT; JPO; DERWENT	OR	ON	2005/08/01 10:41
S61	14	("4996623" "5008768" "5166845" "5282102" "5282103" "5377064" "5428489" "5452158" "5490027" "5491597" "5597496" "5612840" "5617274" "H001424").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/01 10:42
S63	5	(slider with (trace or (conductive))) same (solder near bond\$3)	USPAT; JPO; DERWENT	OR	ON	2005/08/01 10:48

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S70	34	((("6282064") or ("6249404") or ("6181526") or ("6125015") or ("6055132") or ("6021022") or ("5982584") or ("5956209") or ("5922503") or ("5896247") or ("5883758") or ("4828031") or ("5818662") or ("5739982") or ("5539596") or ("5405804") or ("4151014"))).PN.	USPAT; USOCR; JPO; DERWENT	OR	OFF	2005/08/01 10:58
S71	8	(conductive adj layer) same trace same insulat\$3 same flexure	USPAT; JPO; DERWENT	OR	ON	2005/08/01 11:16
S72	3	S70 and S71	USPAT; JPO; DERWENT	OR	ON	2005/08/01 11:03
S73	6	(US-6515832-\$ or US-5896247-\$ or US-6055132-\$ or US-5956209-\$ or US-5818662-\$ or US-5739982-\$). did.	USPAT	OR	ON	2005/08/01 11:05
S76	477	360/244.8,244.2,244,240.ccls. or 360/294.4-294.7.ccls.	USPAT; JPO; DERWENT	OR	ON	2005/08/01 11:14
S77	564	360/244.8,244.2,244,240.ccls. or 360/294.4-294.7.ccls. or 360/245.2, 245.4.ccls.	USPAT; JPO; DERWENT	OR	ON	2005/08/01 11:14
S78	185	29/603.3,603.04,603.06.ccls.	USPAT; JPO; DERWENT	OR	ON	2005/08/01 11:15
S79	0	29/603.3,603.04,603.06.603.07ccls.	USPAT; JPO; DERWENT	OR	ON	2005/08/01 11:15
S80	348	29/603.3,603.04,603.06,603.07. ccls.	USPAT; JPO; DERWENT	OR	ON	2005/08/01 11:15
S81	153	((conductive adj layer) or trace) same insulat\$3 same flexure	USPAT; JPO; DERWENT	OR	ON	2005/08/01 12:25
S82	22	S77 and S81	USPAT; JPO; DERWENT	OR	ON	2005/08/01 11:16
S83	9	S80 and S81	USPAT; JPO; DERWENT	OR	ON	2005/08/01 11:16
S84	30	S82 or S83	USPAT; JPO; DERWENT	OR	ON	2005/08/01 11:16

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S85	12	S84 and heat\$3	USPAT; JPO; DERWENT	OR	ON	2005/08/01 11:24
S90	8	(US-6515832-\$ or US-5896247-\$ or US-6055132-\$ or US-5956209-\$ or US-5818662-\$ or US-5739982-\$ or US-5956212-\$ or US-6201664-\$). did.	USPAT	OR	ON	2005/08/01 11:26
S96	4	((conductive adj layer) or trace) same insulat\$3 same flexure	EPO; JPO	OR	ON	2005/08/01 12:25
S97	559	suspension same flexure same (via or hole or recess)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/04/07 10:37
S99	1	flexure with (via or hole or recess) with fill\$3 with (insulat\$3 or dielectric)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/04/07 10:13
S10 1	22101	(via or hole or recess) with fill\$3 with (insulat\$3 or dielectric)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/04/07 10:18
S10 2	3	S97 and S101	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/04/07 10:17
S10 3	244	YAO-MING-gao.in. or SHIRAISHI-MASASHI.in. or XIE-YIRU.in.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/04/07 10:17
S10 4	1	S101 and S103	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/04/07 10:18
S10 5	33	S97 and S103	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/04/07 10:18
S10 6	46617	(via or hole or recess) same fill\$3 same (insulat\$3 or dielectric)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/04/07 10:19
S10 7	6	S103 and S106	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/04/07 10:19
S10 8	7	S97 and S106	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/04/07 10:19
S10 9	29	flexure same (via or hole or recess) same fill\$3 same (insulat\$3 or dielectric)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/04/07 10:29
S11 0	158	(flexure or suspension or (load adj beam)) same (via or hole or recess) same fill\$3 same (insulat\$3 or dielectric)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/04/07 10:29

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S11 1	18	(flexure or suspension or (load adj beam)) with (via or hole or recess) with fill\$3 with (insulat\$3 or dielectric)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/04/07 10:36
S11 2	2576	(conduct\$3 near layer) with (via or hole or recess) with fill\$3 with (insulat\$3 or dielectric)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/04/07 10:37
S11 3	53	(conduct\$3 near layer) with ((via or hole or recess) near fill\$3 near (insulat\$3 or dielectric))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/04/07 10:40
S11 4	0	S97 and S113	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/04/07 10:37
S11 5	421	(conduct\$3 near layer) with trace with ((insulation or (dielectric)) near layer)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/04/07 10:38
S11 6	2	S113 and S115	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/04/07 10:38
S11 7	5	(conduct\$3 near layer) near ((via or hole or recess) near fill\$3 near (insulat\$3 or dielectric))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/04/07 10:40
S11 8	5453	trace with (insulat\$3 or dielectric) with conduct\$3	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/04/10 07:17
S11 9	286	trace with (insulat\$3 or dielectric) with (conduct\$3 near (recess or hole or via))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/04/10 07:17
S12 0	4	trace with (insulat\$3 or dielectric) with (conduct\$3 near (recess or hole or via) near (insulat\$3 or dielectric))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/04/10 07:18
S12 1	483	(conduct\$3 near (recess or hole or via) near (insulat\$3 or dielectric))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/04/10 07:18
S12 2	0	(conduct\$3 near (recess or hole or via) near ((insulat\$3 or dielectric) near mareial))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/04/10 07:19
S12 3	69	(conductive adj layer) near (recess or hole or via) near fill\$3	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/04/10 07:20
S13 0	0	(conductive adj layer) near (recess or hole or via) near fill\$3 with ((insulat\$3 or dielectric) near material)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/04/10 07:22

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S13 1	0	((conductive adj layer) near (recess or hole or via) near fill\$3) with ((insulat\$3 or dielectric) near material)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/04/10 07:22
S13 2	3	((conductive adj layer) near (recess or hole or via) near fill\$3) same ((insulat\$3 or dielectric) near material)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/04/10 07:23
S13 3	6	((conductive or metal\$3) adj layer) near (recess or hole or via) near fill\$3) same ((insulat\$3 or dielectric) near material)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/04/10 07:32
S13 4	6	((conductive or metal\$3 or electrode) adj layer) near (recess or hole or via) near fill\$3) same ((insulat\$3 or dielectric) near material)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/04/10 07:26
S13 5	29857	fill\$3 with ((insulat\$3 or dielectric) near material)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/04/10 07:26
S13 6	11001	fill\$3 near ((insulat\$3 or dielectric) near material)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/04/10 07:26
S13 7	4	S123 and S136	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/04/10 07:26
S13 8	5584	((conductive or metal\$3) adj layer) near (recess or hole or via or trench\$2)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/04/10 07:33
S13 9	4255	fill\$3 near (recess or hole or via or trench\$2) with ((insulat\$3 or dielectric) near material)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/04/10 07:33
S14 0	10	S138 and S119	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/04/10 07:33
S14 1	155	S138 and S139	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/04/10 07:33
S14 2	21	((conductive or metal\$3) adj layer) near (recess or hole or via or trench\$2)) same (fill\$3 near (recess or hole or via or trench\$2) with ((insulat\$3 or dielectric) near material))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/04/10 07:40

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S14 3	0	((suspension or (load adj beam)) near (recess or hole or via or trench\$2)) same (fill\$3 near (recess or hole or via or trench\$2) with (((insulat\$3 or dielectric) near material)))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/04/10 07:39
S14 4	4255	(fill\$3 near (recess or hole or via or trench\$2) with (((insulat\$3 or dielectric) near material)))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/04/10 07:39
S14 5	2035	(fill\$3 near (recess or hole or via or trench\$2) near (((insulat\$3 or dielectric) near material)))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/04/10 07:58
S14 6	5584	((conductive or metal\$3) adj layer) near (recess or hole or via or trench\$2))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/04/10 07:53
S14 8	10	((fill\$3 near (recess or hole or via or trench\$2) near (((insulat\$3 or dielectric) near material)) same (((conductive or metal\$3) adj layer) near (recess or hole or via or trench\$2))))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/04/10 07:40
S14 9	856	216/39,65.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/04/10 07:52
S15 0	704	205/119,122.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/04/10 07:52
S15 1	5762	427/127,128.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/04/10 07:52
S15 3	6	S149 and etch\$3 same (((conductive or metal\$3) adj layer) near (recess or hole or via or trench\$2))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/04/10 07:58
S15 6	1191	etch\$3 same (((conductive or metal\$3) adj layer) near (recess or hole or via or trench\$2))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/04/10 07:58
S15 7	18	S145 and S156	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/04/10 07:58


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IEEE STD IEEE Standard

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[Magnetics, IEEE Transactions on](#)

Volume 38, Issue 1, Part 1, Jan. 2002 Page(s):50 - 54

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